1	What is claimed is:		
2			
3	1. A dishwasher comprising:		
4	a washing chamber;		
5	top and bottom nozzles injecting water in the washing chamber;		
6	a sump provided under the washing chamber to store the water;		
7	a pump pumping the water stored in the sump;		
8	a supply pipe adjacent to one side of the pump wherein the water pumped by the		
9	pump flows in the supply pipe;		
10	upper and lower pipes leading the water to the top and bottom nozzles, respectively;		
11	and		
12	a valve assembly connecting the supply pipe to the upper and lower pipes to		
13	selectively open/close the upper or lower pipe using a pressure of the pumped water.		
14			
15	2. The dishwasher as claimed in claim 1, the driving valve assembly		
16	comprising:		
17	a guide having an inlet hole connected to the supply pipe at top, the guide having first		
18	and second holes connected to the upper and lower pipes, respectively formed at a bottom, the		
19	guide having an inner passage circulating inside; and		
20	a ball moving along the inner passage to selectively open/close the first or second		
21	outlet hole.		
22			
23	3. The dishwasher as claimed in claim 2, wherein a diameter of the ball is		
24	greater than that of each of the inlet hole and the first and second outlet holes.		

25		
26	4. The dishwasher as claimed in claim 2, the guide comprising:	
27	a first guide having the inlet hole; and	
28	a second guide having the first and second holes.	
29		
30	5. The dishwasher as claimed in claim 4, wherein a rib protrudes upward from a	
31	circumference of the first guide and a groove is formed in a circumference of the second	
32	guide to be coupled to the rib.	
33		
34	6. The dishwasher as claimed in claim 4, wherein a diameter of the ball is	
35	greater than that of each of the inlet hole and the first and second outlet holes.	
36		
37	7. The dishwasher as claimed in claim 2, wherein the inner passage is so slant	
38	that the ball can move in one direction.	
39		
40	8. The dishwasher as claimed in claim 7, the inner passage comprising:	
41	a first passage slant upward from the inlet hole toward the first outlet hole;	
42	a second passage slant upward from the first outlet hole toward the second outlet	
43	hole; and	
44	a third passage slant downward from the second outlet hole toward the inlet hole.	
45		

9. The dishwasher as claimed in claim 8, wherein a first step is formed on an upper inside of the guide to prevent the ball lying at the inlet hole from moving toward the third passage by the pressure of the water.

Δ	q.

10. The dishwasher as claimed in claim 8, wherein a second step is formed on a lower inside of the guide to prevent the ball lying at a lower side of the first outlet hole from moving along the first passage.

11. The dishwasher as claimed in claim 8, wherein a third step is formed on a lower inside of the guide to prevent the ball lying at a lower side of the second outlet hole from moving along the second passage.

12. The dishwasher as claimed in claim 8, wherein a protrusion is formed between the first and second outlet holes to prevent the ball blocking the first outlet hole from moving to the second outlet hole along the second passage.